

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-096918

(43)Date of publication of application : 14. 04. 1998

(51) Int. Cl.

G02F 1/1335

G02F 1/1335

G02F 1/137

G09F 9/35

(21)Application number : 08-269311

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(22)Date of filing : 19. 09. 1996

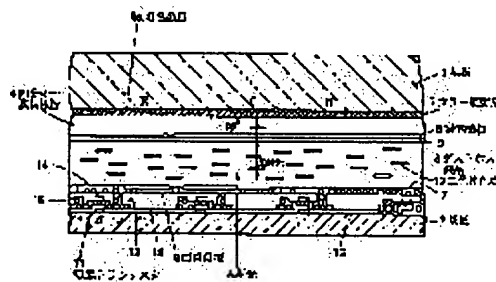
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(54) COLOR REFLECTION TYPE GUEST-HOST LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the utilization efficiency of incident light of a color reflection type guest-host liquid crystal display device and to simplify the structure thereof.

SOLUTION: This color reflection type guest-host liquid crystal display device has a pair of upper and lower substrates 1, 2, guest-host liquid crystals 3, a quarter-wavelength plate layer 4 and a color reflection layer 5. The substrate 2 on the lower side exists on an incident side and pixel electrodes 6 are formed thereon. The substrate 1 on the upper side exists on an opposite side and counter electrodes 8 are formed thereon. This substrate is joined to the substrate 2 on the lower side via a spacing and matrix-like pixels are regulated between both electrodes 6 and 8 disposed to face each other. The guest-host liquid crystals 3 contain dichromatic dyestuff 10 and are held in the spacing between both substrates. The quarter-wavelength plate layer 4 is interposed between the substrate 1 on the opposite side and the guest-host liquid crystals 3. The color reflection layer 5 is interposed between the substrate 1 on the opposite side and the quarter-wavelength plate layer 4 and reflects the incident light past the quarter-wave plate layer 4 selectively in wavelength in a pixel unit, thereby enabling color display.



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[Date of request for examination]

[Date of sending the examiner's decision]

of rejection]

[Kind of final disposal of application
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rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

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